

Wastewater Sources of Funds

Trust Funds (Balance as of 12/31/15)	
Wastewater Capital Improvement Fund	\$ 34,354,818
2013 Rev Replacement & Improvement Fund	\$ 2,059,129
Total On Hand	<u>\$ 36,413,947</u>
 Additional Funds	
From Operations for Capital Contribution	\$ (2,043,044)
(From Rate Review Analysis - using Sys Cap fees to cover operating)	
From Operations - System Capacity Charges	\$ 5,522,044
(From Rate Review Analysis - Avg \$1.1M/Yr)	
Assessment Bonds/Notes/Private Funds - Future Projects(2016-2020)	\$ 360,000
Contribution to Meter Replacement	\$ (4,149,891)
Grants	\$ 4,487,506
OPWC (Issue II) & USDA/RD Loans	\$ 4,447,600
Total Source of Funds	<u>\$ 45,038,162</u>
Replacement & Improvement Fund Requirement	\$ 2,000,000
Capital Improvement Fund Contingency	\$ 5,000,000
Available Funding for 2016 - 2020 Construction Projects:	<u>\$ 38,038,162</u>

Trust Funds not included above are not available for construction purposes (i.e. Bond Fund Interest, Bond Fund Principal, Escrow Funds)

2016 Wastewater Capital Improvement Project Summary

Project #	Description	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	*Adj. 5 yr. Total
6402-	Aicholtz Road Connector - Sewer Replacement	72,000	-	-	72,000	-	-	-	-	72,000	72,000
6402-60077	Aicholtz Road Phase II (Ivy Pt.) Sewer Improvements	365,769	29,669	336,100	-	-	-	-	-	365,769	336,100
6402-	Arrowhead Wastewater Treatment Plant Elimination	1,125,000	-	-	-	125,000	1,000,000	-	-	1,125,000	1,125,000
6402-60135	Beechmont South Lift Station Improvements	299,930	12,735	106,195	181,000	-	-	-	-	299,930	287,195
6402-60106	Bethel Area Sewer Replacement	1,781,936	179,786	462,750	1,139,400	-	-	-	-	1,781,936	1,602,150
6402-60120	Biosolids Dewatering Equipment	788,000	730,500	57,500	-	-	-	-	-	788,000	57,500
6402-62002	Collection System Rehabilitation	9,850,000	-	-	1,500,000	2,000,000	2,000,000	2,000,000	2,350,000	9,850,000	7,500,000
6402-62005	Collection System Rehabilitation - 2015	2,190,020	1,416,850	773,170	-	-	-	-	-	2,190,020	773,170
6402-	Collection System Rehabilitation - 2016	2,950,000	-	2,000,000	950,000	-	-	-	-	2,950,000	2,950,000
6402-	Commercial Revenue Enhancement	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
6402-	Concord Lift Station Improvements	170,000	-	-	20,000	150,000	-	-	-	170,000	170,000
6402-	Crescent Drive Lift Station Elimination	155,000	-	-	-	-	-	-	155,000	155,000	-
6402-	Environmental Upgrades - WWTP	6,000,000	-	-	-	-	-	-	6,000,000	6,000,000	-
6402-	GIS - Sewer Share	100,000	25,000	-	25,000	-	25,000	-	25,000	100,000	50,000
6402-	Hall Run Sewer Protection	100,000	-	100,000	-	-	-	-	-	100,000	100,000
6402-	Hall Run Sewer Replacement & EQ Expansion	3,013,689	13,689	-	-	-	-	-	3,000,000	3,013,689	-
651-0857	Indianview Lift Station Improvements	424,240	39,240	-	-	25,000	10,000	350,000	-	424,240	385,000
6402-	Lewis Road Trunk Sewer	1,040,000	-	-	-	90,000	950,000	-	-	1,040,000	1,040,000
6402-	Liftstation Generators	300,000	-	-	100,000	100,000	100,000	-	-	300,000	300,000
6402-	LIMS/WIMS Upgrades	150,000	-	150,000	-	-	-	-	-	150,000	150,000
6402-	Locust Lake Lift Station and Conveyance Improvements	1,127,500	-	92,500	500,000	535,000	-	-	-	1,127,500	1,127,500
6402-	Lower East Fork WWTP Expansion	14,150,000	-	-	-	-	-	-	14,150,000	14,150,000	-
6402-	Lower East Fork WWTP Sludge Line Improvements	80,000	-	80,000	-	-	-	-	-	80,000	80,000
6402-60126	MEF WWTP Grit & Screening Building Roof Replacement	423,200	151,100	272,100	-	-	-	-	-	423,200	272,100
6402-	MEF WWTP Safety Improvements	230,000	-	230,000	-	-	-	-	-	230,000	230,000
6402-	Miamiville Proper Sewer Assessment	1,845,000	-	-	-	-	-	-	1,845,000	1,845,000	-
6402-60122	Miamiville Sewer Extension	1,130,181	160,181	650,000	320,000	-	-	-	-	1,130,181	970,000
6402-60003	Mound Street & Spring Street Sewer Petition	1,052,990	68,390	-	-	-	-	-	984,600	1,052,990	-
6402-60136	Naegele Lift Station Improvements	184,930	12,735	72,195	100,000	-	-	-	-	184,930	172,195
6402-60137	Nature Run Lift Station Upgrade	332,440	12,735	210,705	109,000	-	-	-	-	332,440	319,705
6402-60116	Newtonsville Collection System Assessment	4,772,590	204,420	296,870	1,157,000	3,114,300	-	-	-	4,772,590	4,568,170
6402-60117	Newtonsville WWTP	3,581,490	148,390	340,600	1,105,000	1,987,500	-	-	-	3,581,490	3,433,100
6402-	Nine Mile Collection Improvements	1,280,000	-	-	115,000	65,000	1,100,000	-	-	1,280,000	1,280,000
6402-60114	Nine Mile WWTP Blower Upgrade	394,800	19,800	375,000	-	-	-	-	-	394,800	375,000
6402-60133	O'Bannon Trunk Sewer Improvements	3,473,910	40,060	158,850	300,000	1,095,000	1,880,000	-	-	3,473,910	3,433,850
6402-	O'Bannon WWTP Bio-Solids Dewatering	1,180,000	-	-	-	-	-	1,180,000	-	1,180,000	1,180,000
651-0042	O'Bannon WWTP Reclaimed Water Pumps and Force Main	108,000	-	-	-	-	-	-	108,000	108,000	-
6402-	O'Bannon WWTP Tertiary Filter Replacement	1,310,000	-	110,000	700,000	500,000	-	-	-	1,310,000	1,310,000
6402-	Old SR 74 Widening Olive Branch-Stonelick to Armstrong Blvd Improvements	105,000	-	-	105,000	-	-	-	-	105,000	105,000
6402-	Olive Branch-Stonelick Sewer Extension	1,870,000	20,000	-	-	-	-	-	1,850,000	1,870,000	-
651-0125	Shayler Run - Segment E	1,262,100	163,960	-	-	-	-	-	1,098,140	1,262,100	-
6402-60138	Shayler Run Upstream Sewer Upgrade	1,194,625	5,700	98,925	100,000	990,000	-	-	-	1,194,625	1,188,925
6402-	SR 132 Lift Station Improvements	170,000	-	-	20,000	150,000	-	-	-	170,000	170,000
6402-	SR 132 Sewer Improvements	755,000	-	-	-	-	-	-	755,000	755,000	-
6402-60001	Utilities Relocations	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
6402-	Wards Corner Road Sewer Petition	430,000	-	-	-	-	-	-	430,000	430,000	-
6402-	Wastewater Model Maintenance	100,000	-	50,000	25,000	25,000	-	-	-	100,000	100,000
6402-60049	Wastewater Stream Revetment	525,464	275,464	50,000	50,000	50,000	50,000	50,000	-	525,464	250,000
6402-	Wastewater Treatment Plant Rehabilitation	2,000,000	-	-	400,000	400,000	400,000	400,000	400,000	2,000,000	1,600,000
6402-	Wolfpen-Pleasant Hill Road Sewer Upgrades	1,051,000	-	-	100,000	65,000	886,000	-	-	1,051,000	1,051,000
	TOTAL	78,195,805	3,730,405	7,273,460	9,393,400	11,666,800	8,601,000	4,180,000	33,350,740	78,195,805	41,114,660

2016 Wastewater Capital Improvement Project Summary

Description	Funding Source		Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	*Adj. 5 Yr Total
Aicholtz Road Connector - Sewer Replacement	-	-	72,000	-	-	72,000	-	-	-	-	72,000	72,000
	Capital Improvement Fund			-	-	72,000	-	-	-	-	72,000	72,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Aicholtz Road Phase II (Ivy Pt.) Sewer Improvements	-	-	365,769	29,669	336,100	-	-	-	-	-	365,769	336,100
	Capital Improvement Fund			29,669	336,100		-	-	-	-	365,769	336,100
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Arrowhead Wastewater Treatment Plant Elimination	-	-	1,125,000	-	-	-	125,000	1,000,000	-	-	1,125,000	1,125,000
	Capital Improvement Fund			-	-	-	125,000	1,000,000	-	-	1,125,000	1,125,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Beechmont South Lift Station Improvements	-	-	299,930	12,735	106,195	181,000	-	-	-	-	299,930	287,195
	Capital Improvement Fund			12,735	106,195	181,000	-	-	-	-	299,930	287,195
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Bethel Area Sewer Replacement	MEF P2-08	-	1,781,936	179,786	462,750	1,139,400	-	-	-	-	1,781,936	1,602,150
	Capital Improvement Fund			179,786	462,750	295,444	-	-	-	-	937,980	758,194
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant OPWC		-	-	-	843,956	-	-	-	-	843,956	843,956
Biosolids Dewatering Equipment	-	-	788,000	730,500	57,500	-	-	-	-	-	788,000	57,500
	Capital Improvement Fund			730,500	57,500	-	-	-	-	-	788,000	57,500
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Collection System Rehabilitation	-	-	9,850,000	-	-	1,500,000	2,000,000	2,000,000	2,000,000	2,350,000	9,850,000	7,500,000
	Capital Improvement Fund			-	-	1,500,000	2,000,000	2,000,000	2,000,000	2,350,000	9,850,000	7,500,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Collection System Rehabilitation - 2015	-	-	2,190,020	1,416,850	773,170	-	-	-	-	-	2,190,020	773,170
	Capital Improvement Fund			1,416,850	773,170	-	-	-	-	-	2,190,020	773,170
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Collection System Rehabilitation - 2016	-	-	2,950,000	-	2,000,000	950,000	-	-	-	-	2,950,000	2,950,000
	Capital Improvement Fund			-	2,000,000	950,000	-	-	-	-	2,950,000	2,950,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Commercial Revenue Enhancement	-	-	600,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
	Capital Improvement Fund			-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-
Concord Lift Station Improvements	-	-	170,000	-	-	20,000	150,000	-	-	-	170,000	170,000
	Capital Improvement Fund			-	-	20,000	150,000	-	-	-	170,000	170,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan Grant		-	-	-	-	-	-	-	-	-	-

2016 Wastewater Capital Improvement Project Summary

Description	Funding Source	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	*Adj. 5 Yr Total
Crescent Drive Lift Station Elimination	- - Capital Improvement Fund Assessment Loan Grant	155,000 - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	155,000 155,000 - -	155,000 155,000 - -	- - - -
Environmental Upgrades - WWTP	- - Capital Improvement Fund Assessment Loan Grant	6,000,000 - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	6,000,000 6,000,000 - -	6,000,000 6,000,000 - -	- - - -
GIS - Sewer Share	- - Capital Improvement Fund Assessment Loan Grant	100,000 - - -	25,000 25,000 - -	- - - -	25,000 25,000 - -	- - - -	25,000 25,000 - -	- - - -	25,000 25,000 - -	100,000 100,000 - -	50,000 50,000 - -
Hall Run Sewer Protection	- - Capital Improvement Fund Assessment Loan Grant	100,000 - - -	- - - -	100,000 100,000 - -	- - - -	- - - -	- - - -	- - - -	- - - -	100,000 100,000 - -	100,000 100,000 - -
Hall Run Sewer Replacement & EQ Expansion	LEF-P1-08 - Capital Improvement Fund Assessment Loan- Grant-	3,013,689 - - - -	13,689 13,689 - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	3,000,000 3,000,000 - - -	3,013,689 3,013,689 - - -	- - - - -
Indianview Lift Station Improvements	- - Capital Improvement Fund Assessment Loan Grant	424,240 - - -	39,240 39,240 - -	- - - -	- - - -	25,000 25,000 - -	10,000 10,000 - -	350,000 350,000 - -	- - - -	424,240 424,240 - -	385,000 385,000 - -
Lewis Road Trunk Sewer	LHR P2-T2 - Capital Improvement Fund Assessment Loan Grant	1,040,000 - - - -	- - - - -	- - - - -	- - - - -	90,000 90,000 - - -	950,000 950,000 - - -	- - - - -	- - - - -	1,040,000 1,040,000 - - -	1,040,000 1,040,000 - - -
Liftstation Generators	- - Capital Improvement Fund Assessment Loan Grant	300,000 - - -	- - - -	- - - -	100,000 100,000 - -	100,000 100,000 - -	100,000 100,000 - -	- - - -	- - - -	300,000 300,000 - -	300,000 300,000 - -
LIMS/WIMS Upgrades	- - Capital Improvement Fund Assessment Loan Grant - OPWC	150,000 - - - -	- - - - -	150,000 150,000 - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	150,000 150,000 - - -	150,000 150,000 - - -
Locust Lake Lift Station and Conveyance Improve	MEF P1-03 & M - Capital Improvement Fund Assessment Loan Grant	1,127,500 - - -	- - - -	92,500 92,500 - -	500,000 500,000 - -	535,000 535,000 - -	- - - -	- - - -	- - - -	1,127,500 1,127,500 - -	1,127,500 1,127,500 - -
Lower East Fork WWTP Expansion	- - Capital Improvement Fund Assessment Loan Grant	14,150,000 - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	14,150,000 14,150,000 - -	14,150,000 14,150,000 - -	- - - -

2016 Wastewater Capital Improvement Project Summary

Description	Funding Source		Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	*Adj. 5 Yr Total
Lower East Fork WWTP Sludge Line Improvements	-	-	80,000	-	80,000	-	-	-	-	-	80,000	80,000
	Capital Improvement Fund		-	-	80,000	-	-	-	-	-	80,000	80,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
MEF WWTP Grit & Screening Building Roof Replacement	-	-	423,200	151,100	272,100	-	-	-	-	-	423,200	272,100
	Capital Improvement Fund		-	151,100	272,100	-	-	-	-	-	423,200	272,100
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
MEF WWTP Safety Improvements	-	-	230,000	-	230,000	-	-	-	-	-	230,000	230,000
	Capital Improvement Fund		-	-	230,000	-	-	-	-	-	230,000	230,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
Miamiville Proper Sewer Assessment	LVHR-7	13	1,845,000	-	-	-	-	-	-	1,845,000	1,845,000	-
	Capital Improvement Fund		-	-	-	-	-	-	-	170,000	170,000	-
	Assessment		-	-	-	-	-	-	-	1,675,000	1,675,000	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
Miamiville Sewer Extension	-	-	1,130,181	160,181	650,000	320,000	-	-	-	-	1,130,181	970,000
	Capital Improvement Fund		-	7,800	615,000	(468,550)	-	-	-	-	154,250	146,450
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant - Duke/Miami Twp		-	152,381	35,000	788,550	-	-	-	-	975,931	823,550
Mound Street & Spring Street Sewer Petition	-	-	1,052,990	68,390	-	-	-	-	-	984,600	1,052,990	-
	Capital Improvement Fund		-	68,390	-	-	-	-	-	25,000	93,390	-
	Assessment		-	-	-	-	-	-	-	959,600	959,600	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
Naegele Lift Station Improvements	-	-	184,930	12,735	72,195	100,000	-	-	-	-	184,930	172,195
	Capital Improvement Fund		-	12,735	72,195	100,000	-	-	-	-	184,930	172,195
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
Nature Run Lift Station Upgrade	-	-	332,440	12,735	210,705	109,000	-	-	-	-	332,440	319,705
	Capital Improvement Fund		-	12,735	210,705	109,000	-	-	-	-	332,440	319,705
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-
Newtonsville Collection System Assessment	SLC-P1-T1	11	4,772,590	204,420	296,870	1,157,000	3,114,300	-	-	-	4,772,590	4,568,170
	Capital Improvement Fund		-	204,420	296,870	1,157,000	(1,061,400)	-	-	-	596,890	392,470
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	2,562,450	-	-	-	2,562,450	2,562,450
	Grant - USDA/RD & OPWC		-	-	-	-	1,613,250	-	-	-	1,613,250	1,613,250
Newtonsville WWTP	SLC-P1-T1	11	3,581,490	\$148,390	340,600	1,105,000	1,987,500	-	-	-	3,581,490	3,433,100
	Capital Improvement Fund		-	148,390	340,600	1,105,000	(1,084,400)	-	-	-	509,590	361,200
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	1,885,150	-	-	-	1,885,150	1,885,150
	Grant - USDA/RD & OPWC		-	-	-	-	1,186,750	-	-	-	1,186,750	1,186,750
Nine Mile Collection Improvements	NML P1-01	-	1,280,000	-	-	115,000	65,000	1,100,000	-	-	1,280,000	1,280,000
	Capital Improvement Fund		-	-	-	115,000	65,000	1,100,000	-	-	1,280,000	1,280,000
	Assessment		-	-	-	-	-	-	-	-	-	-
	Loan		-	-	-	-	-	-	-	-	-	-
	Grant		-	-	-	-	-	-	-	-	-	-

2016 Wastewater Capital Improvement Project Summary

Description	Funding Source		Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	*Adj. 5 Yr Total
Nine Mile WWTP Blower Upgrade	-	-	394,800	19,800	375,000	-	-	-	-	-	394,800	375,000
	Capital Improvement Fund	-	-	19,800	355,000	-	-	-	-	-	374,800	355,000
	Assessment	-	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-	-
O'Bannon Trunk Sewer Improvements	Grant-Duke	-	-	-	20,000	-	-	-	-	-	20,000	20,000
	OBN P1-02	-	3,473,910	40,060	158,850	300,000	1,095,000	1,880,000	-	-	3,473,910	3,433,850
	Capital Improvement Fund	-	-	40,060	158,850	300,000	1,095,000	1,880,000	-	-	3,473,910	3,433,850
	Assessment	-	-	-	-	-	-	-	-	-	-	-
O'Bannon WWTP Bio-Solids Dewatering	Loan	-	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-	-
	-	-	1,180,000	-	-	-	-	-	1,180,000	-	1,180,000	1,180,000
	Capital Improvement Fund	-	-	-	-	-	-	-	1,180,000	-	1,180,000	1,180,000
O'Bannon WWTP Reclaimed Water Pumps and Force Main	Assessment	-	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-	-
	-	-	108,000	-	-	-	-	-	-	108,000	108,000	-
O'Bannon WWTP Tertiary Filter Replacement	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-	-
Old SR 74 Widening Olive Branch-Stonelick to Armstrong Blvd Improvements	-	-	1,310,000	-	110,000	700,000	500,000	-	-	-	1,310,000	1,310,000
	Capital Improvement Fund	-	-	-	110,000	700,000	500,000	-	-	-	1,310,000	1,310,000
	Assessment	-	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-	-
Olive Branch-Stonelick Sewer Extension	Grant	-	-	-	-	-	-	-	-	-	-	-
	-	-	105,000	-	-	105,000	-	-	-	-	105,000	105,000
	Capital Improvement Fund	-	-	-	-	105,000	-	-	-	-	105,000	105,000
	Assessment	-	-	-	-	-	-	-	-	-	-	-
Shayler Run - Segment E	Loan	-	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-	-
	-	-	1,870,000	20,000	-	-	-	-	-	1,850,000	1,870,000	-
	Capital Improvement Fund	-	-	20,000	-	-	-	-	-	1,850,000	1,870,000	-
Shayler Run Upstream Sewer Upgrade	Assessment	-	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-	-
	Grant	-	-	-	-	-	-	-	-	-	-	-
	-	-	1,262,100	163,960	-	-	-	-	-	1,098,140	1,262,100	-
SR 132 Lift Station Improvements	LEF-P2-19	-	-	163,960	-	-	-	-	-	1,098,140	1,262,100	-
	Capital Improvement Fund	-	-	-	-	-	-	-	-	-	-	-
	Assessment	-	-	-	-	-	-	-	-	-	-	-
	Loan	-	-	-	-	-	-	-	-	-	-	-
SR 132 Sewer Improvements	Grant	-	-	-	-	-	-	-	-	-	-	-
	-	-	1,194,625	5,700	98,925	100,000	990,000	-	-	-	1,194,625	1,188,925

2016 Wastewater Capital Improvement Project Summary

[illegible]

2016 Wastewater Capital Improvement Project Summary

Project :	Aicholtz Road Connector - Sewer Replacement	6402-	Project Manager:	Date of Update:	11-Jan-16	
Description:	Replacement of approximately 119' feet of 12" sanitary sewer and 956' of 8" sanitary sewer to accommodate the Aicholtz Connector TID Roadway Improvement Project.			Justificati	Petition BOH Master Plan XL	Capacity Need Consent Order <u>Other</u>
Township				Union	Coordinates:	
Annual Effect on Operations:	\$	200 O&M/year	Resolutions: RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:		N/A				
Special Conditions:	Constructed w/ TID Project					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$72,000			\$72,000					\$72,000
Misc		\$0								\$0
Total		\$72,000	\$0	\$0	\$72,000	\$0	\$0	\$0	\$0	\$72,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ 72,000	\$ -	\$ -	\$ -	\$ -	\$ 72,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

TID responsible for 100% of cost for sewer on Rust Lane and Aicholtz Road (west of I-275), estimated at \$125,625.
 Estimated cost of construction along the eastern alignment of Aicholtz Road is \$72,000.

2016 Wastewater Capital Improvement Project Summary									
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Project :	Aicholtz Road Phase II (Ivy Pt.) Sewer Improvements	6402-60077	Project Manager:	CR	Date of Update:	11-Jan-16
					Justification:	Petition
						Capacity

Description:	Construction of approximately 2,200 feet of 12" new sanitary sewer, that replaces approximately 375 feet of existing 8" sewer on Aicholtz Road, eliminates a capacity bottleneck, and provides additional capacity for future commercial development.
Township	Union

Township	Union
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Annual Effect on Operations:	\$ 500 O&M/year	Resolutions: RAGP RADP RON RDTP
Easements Procured:	No	

Easements Procured:	No	RAS RON RDTP
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Special Conditions:	Constructed w/ TID Project
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Date of Update: 11-Jan-16

Justification	Petition BOH Master Plan XL	LEF P3-20	Capacity Need Consent Order Other
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Coordinates:

Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:

Expenditure Plan	
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Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	MSP \$43,600-\$11,506, Bayer Becker \$6400	\$17,906	\$17,906							\$17,906
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$336,100		\$336,100						\$336,100
Misc	Thelen-geotech	\$1,734 \$10,029	\$1,734 \$10,029							\$1,734 \$10,029
Total		\$365,769	\$29,669	\$336,100	\$0	\$0	\$0	\$0	\$0	\$365,769

[illegible]

Positive Aspects of Project:
Eliminates a capacity bottleneck and provides capacity for future commercial development (Economic Development).

Problems:

Design is being coordinated with TID road and storm sewer improvements

2016 Wastewater Capital Improvement Project Summary

Project :		Arrowhead Wastewater Treatment Plant Elimination 6402-	Project Manager:	Date of Update:	11-Jan-16
Description:				Justificati	Petition BOH Master Plan XL <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; text-align: center; line-height: 30px; margin: 5px auto;">Capacity Need</div> Consent Order Other
Township				Coordinates:	
Annual Effect on Operations:		\$ - O&M/year	Resolutions:		Construction:
Easements Procured:		na	RAGP RADP RON RDTP		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$100,000				\$100,000				\$100,000
Land/Easements		\$25,000				\$25,000				\$25,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,000,000					\$1,000,000			\$1,000,000
Misc		\$0								\$0
Total		\$1,125,000	\$0	\$0	\$0	\$125,000	\$1,000,000	\$0	\$0	\$1,125,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 125,000	\$ 1,000,000	\$ -	\$ -	\$ 1,125,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Eliminates an aging package plant and assists with regionalization.

Problems:

Elimination of package plant will require approximately 3 miles of gravity sewer routed along the bike trail.

Lift Station Option will require a new lift station, approximately 1 mile of force main, and approximately 3,000 feet of sewer from the Indian Lookout LS on the Todd (Gun Club) property.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :		Beechmont South Lift Station Improvements	6402-60135	Project Manager:		KK	Date of Update:		11-Jan-16	
Description:		Upgrade to the pumps, controls, piping and valves of the Beechmont South lift station.					Justification:		Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Township							Union		Coordinates:	
Annual Effect on Operations:		\$	10,000	O&M/year	Resolutions:		RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:		na								
Special Conditions:										

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	B&N	\$18,930	\$12,735	\$6,195						\$18,930
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$281,000		\$100,000	\$181,000					\$281,000
Misc		\$0								\$0
Total		\$299,930	\$12,735	\$106,195	\$181,000	\$0	\$0	\$0	\$0	\$299,930
Funding Source:	Capital Improvement Fund		\$ 12,735	\$ 106,195	\$ 181,000	\$ -	\$ -	\$ -	\$ -	\$ 299,930
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Bethel Area Sewer Replacement	6402-60106	Project Manager:	JG	Date of Update:	11-Jan-16
Description:	Replacement and upsizing of approximately 7,300 feet of various size sewer mains in the Bethel area to address capacity issues identified during flow monitoring study completed in 2012 & 2013.				Justification:	Petition BOH Master Plan XL MEF P2-08 Other
Township					Tate	
Annual Effect on Operations:	\$ 1,200 O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	no					
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:	FTC&H	\$80,000	\$80,000							\$80,000
Detail Plans Date Complete:	FTC&H	\$95,560	\$92,810	\$2,750						\$95,560
Land/Easements		\$70,000		\$70,000						\$70,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,519,400		\$380,000	\$1,139,400					\$1,519,400
Misc	THELEN	\$10,000 \$6,976	\$6,976	\$10,000						\$10,000 \$6,976
Total		\$1,781,936	\$179,786	\$462,750	\$1,139,400	\$0	\$0	\$0	\$0	\$1,781,936
Funding Source:	Capital Improvement Fund		\$ 179,786	\$ 462,750	\$ 295,444	\$ -	\$ -	\$ -	\$ -	\$ 937,980
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant OPWC	\$ -	\$ -	\$ -	\$ 843,956	\$ -	\$ -	\$ -	\$ -	\$ 843,956

Positive Aspects of Project:
 Reduces and/or eliminates wet weather overflows at the Bethel Lift Station.
 Project address parts of WWMPU Projects MEF P2-08, P1-02, P1-01, P2-07, P2-06, P2-05

Problems: Easements, Manpower, Materials, Weather, etc

Notes:
 Preliminary Engineering for lift station storage upsizing included flow monitoring, rain gauge, and InfoWorks Model verification.
 Upsizing of lift station storage is not necessary. However, capacity issues in the collections system were identified. Project has been adjusted to represent the change from additional storage to sewer replacement.

2016 Wastewater Capital Improvement Project Summary

Project :	Biosolids Dewatering Equipment	6402-60120	Project Manager:	KK	Date of Update:	11-Jan-16
Description:	Procurement and installation of biosolids dewatering equipment (Centrifuge) for installation at the Middle East Fork WWTP.				Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township					Batavia	Coordinates:
Annual Effect on Operations:	\$	4,000	O&M/year	Resolutions: RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:		N/A				
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	B&N	\$71,300	\$71,300							\$71,300
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$708,000	\$650,500	\$57,500						\$708,000
Misc Permits		\$8,700	\$8,700							\$8,700
Total		\$788,000	\$730,500	\$57,500	\$0	\$0	\$0	\$0	\$0	\$788,000
Funding Source:		Capital Improvement Fund	\$ 730,500	\$ 57,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 788,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides a reliable and permanent dewatering system at the MEF WWTP.

Problems:

Notes:
 Currently, a shared portable centrifuge is used for biosolids dewatering at the MEF, O'Bannon, and 9-Mile WWTP's. Due to volume of solids produced, it is often very difficult to maintain optimal solids inventory, which can jeopardize compliance with final effluent limits. Benefit/Cost analysis of centrifuge vs. belt press to be conducted. Also, consider B/C analysis for reduced labor needed to transport portable centrifuge to/from MEF. Consider permanent installation of existing centrifuge at MEF and purchase of smaller, portable centrifuge for O'Bannon & 9-Mile.

2016 Wastewater Capital Improvement Project Summary

Project :	Collection System Rehabilitation	6402-62002	Project Manager:	JG	Date of Update:	11-Jan-16	
Description:	This work will include rehabilitation of existing portions of the collection system that have reached their useful life. Areas will be identified and prioritized using CCTV data.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township:					Countywide	Coordinates:	
Annual Effect on Operations:	\$ -	O&M/Year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:		Unknown					
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0	\$0							\$0
Date Complete:										
Detail Plans		\$0	\$0							\$0
Date Complete:										
Land/Easements		\$0	\$0							\$0
Construction Engineering and Inspection		\$0	\$0							\$0
General Contractor		\$9,850,000	\$0		\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,350,000	\$9,850,000
Misc		\$0	\$0							\$0
Total		\$9,850,000	\$0	\$0	\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,350,000	\$9,850,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,350,000	\$ 9,850,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Rehabilitates (slip lining, pipe bursting, etc.) existing, deteriorated infrastructure.

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :		Collection System Rehabilitation - 2015	6402-62005	Project Manager:	JG	Date of Update:	11-Jan-16
Description:		Rehabilitation of approximately 12,960 feet of 6", 8", 15" & 21" sanitary sewer main, 52 manholes and the installation of 77 lateral cleanouts along Aldor Ln, Michael Dr, Ninemile-Tobasco Rd, Davis Rd, Clough Pike, North Presidential Dr, Madison Park, and on the airport property.				Justification:	<div style="display: flex; justify-content: space-between;"> <div> Petition BOH Master Plan XL </div> <div style="text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity Need</div> Consent Order Other </div> </div>
Township:		Pierce, Union & Batavia				Coordinates:	
Annual Effect on Operations:		\$	-	O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:		na					
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$2,190,020	\$1,416,850	\$773,170						\$2,190,020
Misc		\$0								\$0
Total		\$2,190,020	\$1,416,850	\$773,170	\$0	\$0	\$0	\$0	\$0	\$2,190,020
Funding Source:		Capital Improvement Fund	\$ 1,416,850	\$ 773,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,190,020
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Rehabilitates by slip lining existing, deteriorated infrastructure.

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project : Collection System Rehabilitation - 2016		6402-	Project Manager: JG		Date of Update: 11-Jan-16
Description: Rehabilitation of approximately 21,243 of 8" & 18" sanitary sewer main, 68 manholes and the installation of lateral cleanouts along Seabrook Way, Timber Creek Drive, Shady Lane, Old SR 32, Mil Haven Drive, Hospital Drive and Bauer Road.					Justification: <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div>Petition BOH Master Plan XL</div> <div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; text-align: center;">Capacity</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; text-align: center;">Need</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; text-align: center;">Consent Order</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; text-align: center;">Other</div> </div> </div>
Township Batavia & Union					Coordinates:
Annual Effect on Operations: \$ - O&M/year			Resolutions: <div style="border: 1px solid black; padding: 5px;"> RAGP RADP RON RDTP </div>		Construction:
Easements Procured: yes					
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$0								\$0
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$2,950,000		\$2,000,000	\$950,000					\$2,950,000
Misc		\$0								\$0
Total		\$2,950,000	\$0	\$2,000,000	\$950,000	\$0	\$0	\$0	\$0	\$2,950,000
Funding Source:		Capital Improvement Fund	\$ -	\$ 2,000,000	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ 2,950,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Rehabilitates by slip lining existing, deteriorated infrastructure.

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Commercial Revenue Enhancement	6402-	Project Manager:		Date of Update: 11-Jan-16
Description:	New sewer improvements to increase commercial revenues.				Justification: Petition BOH Master Plan XL <div style="display: flex; justify-content: space-between;"> Capacity Need </div> Consent Order Other
Township:					
Annual Effect on Operations:	unknown	O&M/Year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:		Unknown			
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0	\$0							\$0
Detail Plans Date Complete:		\$0	\$0							\$0
Land/Easements		\$0	\$0							\$0
Construction Engineering and Inspection		\$0	\$0							\$0
General Contractor		\$0	\$0							\$0
Misc		\$600,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
Total		\$600,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
Funding Source:		Capital Improvement Fund	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Increased sewer revenues through commercial development, which promotes minimized adjustment of sewer rates for all customers.

Notes:

2016 Wastewater Capital Improvement Project Summary									
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Project : Concord Lift Station Improvements 6402- Project Manager:				Date of Update: 11-Jan-16	
Description: Evaluation and design of necessary improvements to the lift station.				Justification: <div> <div>Petition</div> <div>BOH</div> <div>Master Plan</div> <div>XL</div> </div> <div> <div>Capacity</div> <div>Need</div> <div>Consent Order</div> <div>Other</div> </div>	
Township Tate				Coordinates:	
Annual Effect on Operations: unknown O&M/year		Resolutions: <div> <div>RAGP</div> <div>RADP</div> <div>RON</div> <div>RDTP</div> </div>		Construction: <div> <div>Bid Opening:</div> <div>Contract Award:</div> <div>Contract Execution:</div> <div>Notice to Proceed:</div> </div>	
Easements Procured: no					
Special Conditions:					

Expenditure Plan	
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[illegible]

Positive Aspects of Project:

Problems:

2016 Wastewater Capital Improvement Project Summary

Project :	Crescent Drive Lift Station Elimination	6402-	Project Manager:		Date of Update: 11-Jan-16
Description:	Addition of approximately 900 feet of 8" sanitary sewer to eliminate the lift station.				Justification: Petition BOH Master Plan XL <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Capacity Need</div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Consent Order</div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Other </div>
Township:					
Annual Effect on Operations:	\$ 100 O&M/year	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> RAGP RADP RON RDTP </div>		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no				
Special Conditions:	Easement				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$10,000							\$10,000	\$10,000
Date Complete:										
Land/Easements		\$10,000							\$10,000	\$10,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$135,000							\$135,000	\$135,000
Misc		\$0								\$0
Total		\$155,000	\$0	\$0	\$0	\$0	\$0	\$0	\$155,000	\$155,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ 155,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems: Easements

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Environmental Upgrades - WWTP	6402-	Project Manager:		Date of Update: 11-Jan-16
Description:	Treatment plant upgrades to address new permit limits as a result of the TMDL for East Fork of the Little Miami River (EFLMR).				Justification: Petition BOH Master Plan XL <div style="display: flex; justify-content: space-around;"> Capacity Need Consent Order Other </div>
Township:					
Annual Effect on Operations:	unknown	O&M/Year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$480,000							\$480,000	\$480,000
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$5,520,000							\$5,520,000	\$5,520,000
Misc		\$0								\$0
Total		\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 6,000,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Will bring WWTP's into compliance with anticipated OEPA permit limit requirements established in NPDES Permits

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	GIS - Sewer Share	6402-	Project Manager:		Date of Update:	11-Jan-16
Description:	Aerial photography of County for application in GIS				Justification:	Petition BOH Master Plan XL Capacity Need Consent Order <u>Other</u>
Township:					Countywide	Coordinates:
Annual Effect on Operations:	N/A	O&M/Year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A					
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$0								\$0
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$0								\$0
Misc		\$100,000	\$25,000		\$25,000		\$25,000		\$25,000	\$100,000
Total		\$100,000	\$25,000	\$0	\$25,000	\$0	\$25,000	\$0	\$25,000	\$100,000
Funding Source:		Capital Improvement Fund	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ 100,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

CCWRD's contribution to the GIS ortho photos

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Hall Run Sewer Protection	6402-	Project Manager:	Date of Update:	11-Jan-16
Description:	Installation of material to protect approximately 400' of existing sanitary from stream erosion.			Justification:	Petition BOH Master Plan XL
Township	Union				<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; text-align: center; line-height: 30px; margin: 0 auto;">Capacity Need</div> Consent Order Other
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:	Site access/easement				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$100,000		\$100,000						\$100,000
Misc		\$0								\$0
Total		\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000

Funding Source:	Capital Improvement Fund	\$	-	\$	100,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	100,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:
Protection of existing sanitary sewer.

Problems:
Site access/easement

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Hall Run Sewer Replacement & EQ Expansion	6402-	Project Manager:	JG	Date of Update:	11-Jan-16	
Description:	Construction of approximately 1,500 feet of relief sewers downstream of the Hall Run EQ facility. Relief sewers to be constructed by "piggy backing", parallel installation, direct replacement, or pipe burst. Replacement of approximately 1,730 of sewer south of Fischer Lane and construction of an additional 3 MG equalization tank at the Hall Run EQ site.				Justification:	Petition BOH <u>Master Plan</u> XL	LEF-P1-08 Capacity <u>Need</u> Consent Order Other
Township					Union	Coordinates:	
Annual Effect on Operations:	O&M/Year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:	No						
Special Conditions:	Partial Coord. w/ TID						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	EMH&T \$12,750.00	\$112,750	\$12,750						\$100,000	\$112,750
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$2,900,000							\$2,900,000	\$2,900,000
Misc		\$939	\$939							\$939
Total		\$3,013,689	\$13,689	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$3,013,689
Funding Source:	Capital Improvement Fund	\$ 13,689	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 3,013,689
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides additional downstream capacity to maximize the performance of the Hall Run EQ tank. Replaces undersized concrete sewers installed in 1965 and provides additional wet weather storage at the Hall Run EQ facility.

SS&S and I/I Removal to occur prior to design and construction of improvements. If I/I Removal is substantial, the need to construct the improvements may be unnecessary. Pre and Post flow monitoring of I/I removal will determine needed improvements.

TID Coordination - Design / Replacement of approximately 647' of 12" sewer (replace w/ 18" sewer) to be coordinated with Tina Drive Extension Project.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Indianview Lift Station Improvements	651-0857	Project Manager:	Date of Update:	11-Jan-16
Description:	Replacement/relocation of existing lift station and force main.			Justification:	Petition BOH Master Plan XL
Township				Miami	Coordinates:
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:
Easements Procured:	No				Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0	\$0							\$0
Detail Plans Date Complete:		\$64,240	\$39,240			\$25,000				\$64,240
Land/Easements		\$10,000					\$10,000			\$10,000
Construction Engineering and Inspection		\$0	\$0							\$0
General Contractor		\$350,000	\$0					\$350,000		\$350,000
Misc		\$0	\$0							\$0
Total		\$424,240	\$39,240	\$0	\$0	\$25,000	\$10,000	\$350,000	\$0	\$424,240
Funding Source:	Capital Improvement Fund		\$ 39,240	\$ -	\$ -	\$ 25,000	\$ 10,000	\$ 350,000	\$ -	\$ 424,240
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Replaces aged liftstation

Problems: Due to easement acquisition difficulties, the existing LS may be upgraded

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Lewis Road Trunk Sewer	6402-	Project Manager:	Date of Update:	11-Jan-16
Description:	5,500 feet of 12" trunk sewer along Lewis Road from the Belle Meade LS southwest to the new Lewis Road LS including a 500' bore under I-275.			Justification:	<div style="display: flex; justify-content: space-between;"> <div> Petition BOH <u>Master Plan</u> XL </div> <div>LHR P2-T2</div> <div> <u>Capacity Need</u> Consent Order Other </div> </div>
Township	Miami				
Annual Effect on Operations:	\$	1,000	O&M/year	Resolutions:	<div style="border: 1px solid black; padding: 5px; width: 150px;"> RAGP RADP RON RDTP </div>
Easements Procured:	No			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$75,000				\$75,000				\$75,000
Land/Easements		\$15,000				\$15,000				\$15,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$950,000					\$950,000			\$950,000
Misc		\$0								\$0
Total		\$1,040,000	\$0	\$0	\$0	\$90,000	\$950,000	\$0	\$0	\$1,040,000
Funding Source:	Capital Improvement Fund		\$ -	\$ -	\$ -	\$ 90,000	\$ 950,000	\$ -	\$ -	\$ 1,040,000
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Project eliminates the Belle Meade LS and transfers flow from the Miami Trails WWTP to the Wards Corner Regional WWTP

Problems: Easements

Notes:

2016 Wastewater Capital Improvement Project Summary									
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Project :	Liftstation Generators	6402-	Project Manager:	Date of Update:	11-Jan-16
Description:	Provides backup generators for use in power outages.			Justification:	Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township	Countywide			Coordinates:	
Annual Effect on Operations:	\$	- O&M/year	Resolutions:	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	NA		RAGP RADP RON RDTP		

Expenditure Plan	
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[illegible]

Positive Aspects of Project:

Problems:

Notes:	
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2016 Wastewater Capital Improvement Project Summary

Project : LIMS/WIMS Upgrades 6402- Project Manager:			Date of Update: 11-Jan-16
Description: Upgrade of the Laboratory and Water Information Management System (LIMS/WIMS) Software.			Justification: Petition BOH Master Plan XL <u>Capacity Need</u> Consent Order Other
Township: Countywide			Coordinates:
Annual Effect on Operations: na O&M/yr	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured: na			
Special Conditions: na			

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$0								\$0
Date Complete:										
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$0								\$0
Misc		\$150,000		\$150,000						\$150,000
Total		\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Funding Source:		Capital Improvement Fund	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant - OPWC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Locust Lake Lift Station and Conveyance Improvements	6402-	Project Manager	Date of Update: 11-Jan-16
Description:	Addition of approximately 2600' of 6" FM and replacement of approxiamtely 3550' of 10" gravity sewer with 15" gravity sewer from the Locust Lake Lift Station to Chapel Road.			Justification: Petition BOH Master Plan XL
Township	Batavia			<div style="display: flex; justify-content: space-between;"> <div>MEF P1-03 & MEF P2-20</div> <div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Capacity</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Need</div> </div> </div> Consent Order Other
Annual Effect on Operations:	\$ 1,000 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A			
Special Conditions:				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$72,500		\$72,500						\$72,500
Land/Easements		\$20,000		\$20,000						\$20,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,035,000			\$500,000	\$535,000				\$1,035,000
Misc		\$0								\$0
Total		\$1,127,500	\$0	\$92,500	\$500,000	\$535,000	\$0	\$0	\$0	\$1,127,500
Funding Source:	Capital Improvement Fund	\$	-	\$ 92,500	\$ 500,000	\$ 535,000	\$ -	\$ -	\$ -	\$ 1,127,500
	Assessment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Improves capacity and adds redundancy

Problems:
Easements, traffic, and bore under SR 125.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Lower East Fork WWTP Expansion	6402-	Project Manager:		Date of Update: 11-Jan-16
Description:	Expansion of the Lower East Fork Wastewater Treatment Plant from 9 MGD to 14 MGD. Includes a 3rd Oxidation Ditch, Additional Clarifier, filters, and influent pumping. May also include fine screening at headworks or additional screening d/s of final clarifier splitter box.				Justification: Petition BOH Master Plan XL
Township					
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	N/A				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$650,000							\$650,000	\$650,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$500,000							\$500,000	\$500,000
General Contractor		\$13,000,000							\$13,000,000	\$13,000,000
Misc		\$0								\$0
Total		\$14,150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$14,150,000	\$14,150,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,150,000	\$ 14,150,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides additional capacity for future development

Problems: Permitting

Notes:

2016 Wastewater Capital Improvement Project Summary	
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Project :	Lower East Fork WWTP Sludge Line Improvements	6402-	Project Manager:		Date of Update:	11-Jan-16
					Justificati	Petition Capacity

Description:	Installation of approximately 210 feet of ductile iron pipe between the wetwell and the dewatering building, pipe modifications to the aerobic digester valve vault, and installation of a parking area between the WWTP and the lab.
Township	

Special Conditions:

Expenditure Plan	
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Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$80,000		\$80,000						\$80,000
General Contractor		\$0								\$0
Misc		\$0								\$0
Total		\$80,000	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$80,000

[illegible]

Positive Aspects of Project:
Problems:
Notes:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	MEF WWTP Grit & Screening Building Roof Replacement	6402-60126	Project Manager:	JG	Date of Update:	11-Jan-16	
Description:	Replacement of the roofing at the Middle East Fork WWTP Grit and Screening Buildings.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township					Batavia	Coordinates:	
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	NA						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$12,500	\$12,500							\$12,500
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$410,700	\$138,600	\$272,100						\$410,700
Misc		\$0								\$0
Total		\$423,200	\$151,100	\$272,100	\$0	\$0	\$0	\$0	\$0	\$423,200
Funding Source:	Capital Improvement Fund		\$ 151,100	\$ 272,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 423,200
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides protection to the WWTP's screening equipment

Necessity/Justification:

Due to the corrosive atmospheric conditions within the Grit and Screening Buildings, significant structural damage to the roofing system. This damage has also been identified in the roofing report prepared by Garland.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	MEF WWTP Safety Improvements	6402-	Project Manager:	Date of Update:	11-Jan-16	
Description:	Renovation of the walkway, handrail and structural supports at the influent lift station, correction of the wall system moisture vapor control in the control room & laboratory areas, replacement of the HVAC within the control building and replacement or elimination of the drop ceiling.			Justificati	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township				Batavia	Coordinates:	
Annual Effect on Operations:	\$	- O&M/year	Resolutions: RAGP RADP RON RDTP	Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	N/A					
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	
Preliminary Engineering Date Complete:		\$0								\$0	
Detail Plans Date Complete:		\$30,000		\$30,000						\$30,000	
Land/Easements		\$0								\$0	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$200,000		\$200,000						\$200,000	
Misc		\$0								\$0	
Total		\$230,000	\$0	\$230,000	\$0	\$0	\$0	\$0	\$0	\$230,000	
Funding Source:	Capital Improvement Fund	\$	-	\$	230,000	\$	-	\$	-	\$	230,000
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant	\$	-	\$	-	\$	-	\$	-	\$	-

Positive Aspects of Project:

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Miamiville Proper Sewer Assessment	6402-	Project Manager:	CR	Date of Update:	11-Jan-16
					Justification:	Petition Capacity

Description:	Installation of a wastewater collection system to serve the residents of Miami and vicinity.
Township	Miami

Annual Effect on Operations:	\$ 2,000 O&M/year	Resolutions: RAGP
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Easements Procured:	no	RADP RON RDTP	Contract Award: Contract Execution: Notice to Proceed:
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Special Conditions: _____

Expenditure Plan	
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Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$125,000							\$125,000	\$125,000
Land/Easements		\$45,000							\$45,000	\$45,000
Construction Engineering and Inspection		\$0							\$0	\$0
General Contractor		\$1,575,000							\$1,575,000	\$1,575,000
Misc		\$100,000							\$100,000	\$100,000
Total		\$1,845,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,845,000	\$1,845,000
Funding Source:	Capital Improvement Fund		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,000	\$ 170,000
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,675,000	\$ 1,675,000
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
	Grant		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-

<p>Positive Aspects of Project:</p> <p>Provide sewer service for properties with on-site septic systems as identified in WWMPU and by the BOH.</p>

identified to protect MGS wellfields

Problems: Easements, Manpower, Materials, Weather, etc

2016 Wastewater Capital Improvement Project Summary

Project :	Miamiville Sewer Extension	6402-60122	Project Manager:	KK	Date of Update:	11-Jan-16	
Description:	Construction of approximately 3,200' of new sanitary sewer along Loveland-Miamiville Road and SR 126 to benefit existing properties and proposed commercial development.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township					Miami	Coordinates:	
Annual Effect on Operations:	\$	1,000	O&M/year	Resolutions: RAGP RADP RON RDTP	Construction:	Bid Opening:	
Easements Procured:		yes			Contract Award:	Contract Execution:	
Special Conditions:					Notice to Proceed:		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	
Preliminary Engineering Date Complete:	Thelen	\$15,522	\$15,522							\$15,522	
Detail Plans Date Complete:	Santoro	\$92,560	\$92,560							\$92,560	
Land/Easements		\$43,609	\$43,609							\$43,609	
Construction Engineering and Inspection		\$0								\$0	
General Contractor		\$970,000		\$650,000	\$320,000					\$970,000	
Misc	Permitting	\$8,490	\$8,490							\$8,490	
Total		\$1,130,181	\$160,181	\$650,000	\$320,000	\$0	\$0	\$0	\$0	\$1,130,181	
Funding Source:	Capital Improvement Fund	\$	7,800	\$	615,000	\$	(468,550)	\$	-	\$	154,250
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	-	\$	-	\$	-
	Grant - Duke/Miami Twp	\$	152,381	\$	35,000	\$	788,550	\$	-	\$	975,931

Positive Aspects of Project:

Partial funding from Miami Township TIF and Duke Energy incentive grant. Duke grant of \$35,000.
 Costs associated with over-sizing for future extensions/future development to be covered with CIP funds, \$181,450.

Problems: Easements

Notes:

Miami Township responsible for project costs less costs for upsizing sewers.
 Miami Township provide check in 2015 in amount of \$152,381.03 for engineering design, easements, permitting, and secondary geotech investigation.
 CCWRD responsible for upsizing costs (\$181,450) and preliminary geotech investigation (\$8700).

2016 Wastewater Capital Improvement Project Summary

Project :	Mound Street & Spring Street Sewer Petition	6402-60003	Project Manager:	CR	Date of Update:	11-Jan-16
Description:	Installation of approximately 4,440 feet of 8" sewer main along Mound & Spring Streets					Justification: <div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">Petition</div> BOH Master Plan XL </div> <div> Capacity Need Consent Order Other </div> </div>
Township	Tate					Coordinates:
Annual Effect on Operations:	\$	550	O&M/year	Resolutions: <div style="border: 1px solid black; padding: 2px;"> RAGP RADP RON RDTP </div>		Construction: <div style="display: flex; flex-direction: column; gap: 5px;"> <div>Bid Opening:</div> <div>Contract Award:</div> <div>Contract Execution:</div> <div>Notice to Proceed:</div> </div>
Easements Procured:	No					
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:	Woolpert	\$6,500	\$6,500							\$6,500
Detail Plans Date Complete:	Woolpert	\$58,190	\$58,190							\$58,190
Land/Easements		\$5,500							\$5,500	\$5,500
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$900,000							\$900,000	\$900,000
Misc		\$82,800	\$3,700						\$79,100	\$82,800
Total		\$1,052,990	\$68,390	\$0	\$0	\$0	\$0	\$0	\$984,600	\$1,052,990
Funding Source:	Capital Improvement Fund		\$ 68,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 93,390
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 959,600	\$ 959,600
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Eliminates aged on-site septic systems and addresses a petition by property owners

Problems: Funding / In need of Grant money to offset assessment costs

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :		Naegele Lift Station Improvements		6402-60136	Project Manager:	KK	Date of Update:		11-Jan-16		
Description:		Replacement of existing positive-prime wet well mounted lift station with a standard county submersible pump type lift station.						Justification:		Petition BOH Master Plan XL	Capacity <u>Need</u> Consent Order Other
Township:								Pierce		Coordinates:	
Annual Effect on Operations:		\$	1,500	O&M/year	Resolutions:		RAGP RADP RON RDTP		Construction:		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:		No									
Special Conditions:											

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans	B&N	\$18,930	\$12,735	\$6,195						\$18,930
Date Complete:										
Land/Easements		\$2,000		\$2,000						\$2,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$164,000		\$64,000	\$100,000					\$164,000
Misc		\$0								\$0
Total		\$184,930	\$12,735	\$72,195	\$100,000	\$0	\$0	\$0	\$0	\$184,930
Funding Source:		Capital Improvement Fund	\$ 12,735	\$ 72,195	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 184,930
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Upgrade to aging lift station equipment that is reaching the end of its useful life.

Problems:

Maintaining existing service during construction.

2016 Wastewater Capital Improvement Project Summary

Project :		Nature Run Lift Station Upgrade	6402-60137	Project Manager:	KK	Date of Update:	11-Jan-16	
Description:		Upgrade to the pumps, pumping, controls, control panel, valves and generator of the Natures Run lift station.				Justification:	Petition BOH Master Plan XL	Capacity Need Consent Order Other
Township						Union		Coordinates:
Annual Effect on Operations:		\$	2,000	O&M/year	Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		
Easements Procured:		No						
Special Conditions:								

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	B&N	\$23,440	\$12,735	\$10,705						\$23,440
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$309,000		\$200,000	\$109,000					\$309,000
Misc		\$0								\$0
Total		\$332,440	\$12,735	\$210,705	\$109,000	\$0	\$0	\$0	\$0	\$332,440
Funding Source:	Capital Improvement Fund		\$ 12,735	\$ 210,705	\$ 109,000	\$ -	\$ -	\$ -	\$ -	\$ 332,440
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Protection of the environment from raw sewage spills in the event of a loss of power.
 Upgrade to aging lift station equipment that is reaching the end of its useful life.

Problems:
 Maintaining existing service during construction.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Newtonsville Collection System Assessment	6402-60116	Project Manager:	CR	Date of Update: 11-Jan-16
Description:	Collection system for the Village of Newtonsville and Surrounding/Adjacent Area.				Justification: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Petition BOH Master Plan XL </div> <div style="text-align: center;"> 11 SLC-P1-T1 </div> <div style="text-align: center;"> Capacity Need Consent Order Other </div> </div>
Township					
Annual Effect on Operations:	\$ 2,500 O&M/Year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No Unknown				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering	Santoro	\$47,190	\$47,190							\$47,190
Date Complete:	CH2M Hill (\$162,000)	\$161,770	\$155,800	\$5,970						\$161,770
Detail Plans		\$188,400		\$188,400						\$188,400
Date Complete:										
Land/Easements		\$252,000		\$100,000	\$152,000					\$252,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$4,111,800			\$1,000,000	\$3,111,800				\$4,111,800
Misc		\$1,430	\$1,430							\$1,430
OPWC & USDA/RD Admin.		\$10,000		\$2,500	\$5,000	\$2,500				\$10,000
Total		\$4,772,590	\$204,420	\$296,870	\$1,157,000	\$3,114,300	\$0	\$0	\$0	\$4,772,590
Funding Source:		Capital Improvement Fund	\$ 204,420	\$ 296,870	\$ 1,157,000	\$ (1,061,400)	\$ -	\$ -	\$ -	\$ 596,890
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ 2,562,450	\$ -	\$ -	\$ -	\$ 2,562,450
		Grant - USDA/RD & OPWC	\$ -	\$ -	\$ -	\$ 1,613,250	\$ -	\$ -	\$ -	\$ 1,613,250

Positive Aspects of Project:

Provides sewer service to residents in the area of the Village of Newtonsville and addresses failing on-site septic problems as identified by the BOH.
Project identified in 2011 Waste Water Master Plan Update SLC-P1-T1.

Problems: Easements, Manpower, Materials, Weather, Costs, etc

Notes:

Project is being submitted for USDA/RD & OPWC grant and loan funds.

2016 Wastewater Capital Improvement Project Summary

Project:	Newtonsville WWTP	6402-60117	Project Manager:	CR	Date of Update: 11-Jan-16
Description:	Waste Water Treatment Plant for the Village of Newtonsville and Surrounding/Adjacent Area.				Justification: Petition Capacity BOH 11 <u>Need</u> <u>Master Plan</u> SLC-P1-T1 Consent Order XL Other
Township:					Wayne
Annual Effect on Operations:	\$ 35,000 O&M/year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total	
Preliminary Engineering	Santoro	\$43,860	\$43,860							\$43,860	
Date Complete:	CH2M Hill (\$105,000)	\$104,300	\$104,300							\$104,300	
Detail Plans		\$317,100		\$317,100						\$317,100	
Date Complete:											
Land/Easements		\$20,000		\$20,000						\$20,000	
Construction Engineering and Inspection		\$196,300			\$100,000	\$96,300				\$196,300	
General Contractor		\$2,888,700			\$1,000,000	\$1,888,700				\$2,888,700	
Misc		\$1,230	\$230	\$1,000						\$1,230	
OPWC & USDA/RD Admin.		\$10,000		\$2,500	\$5,000	\$2,500				\$10,000	
		\$3,581,490	\$148,390	\$340,600	\$1,105,000	\$1,987,500	\$0	\$0	\$0	\$3,581,490	
Funding Source:	Capital Improvement Fund	\$	148,390	\$	340,600	\$	(1,084,400)	\$	-	\$	509,590
	Assessment	\$	-	\$	-	\$	-	\$	-	\$	-
	Loan	\$	-	\$	-	\$	1,885,150	\$	-	\$	1,885,150
	Grant - USDA/RD & OPWC	\$	-	\$	-	\$	1,186,750	\$	-	\$	1,186,750

Positive Aspects of Project:
 Provides sewer service to residents in the area of the Village of Newtonsville and addresses failing on-site septic problems as identified by the BOH.

Problems: Easements, Manpower, Materials, Weather, Costs, etc
 Possible difficulty in acquiring land and NPDES Permit

Notes:
 Project is being submitted for USDA/RD & OPWC grant and loan funds.

2016 Wastewater Capital Improvement Project Summary

Project :	Nine Mile Collection Improvements	6402-	Project Manager:		Date of Update:	11-Jan-16	
Description:	Nine Mile collection system evaluation and I&I correction improvements				Justification:	Petition BOH <u>Master Plan</u> XL	Capacity Need NML P1-01 Consent Order Other
Township					Pierce	Coordinates:	
Annual Effect on Operations:	\$ 1,000 O&M/year	Resolutions: RAGP RADP RON RDTP			Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	no						
Special Conditions:							

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$35,000			\$35,000					\$35,000
Detail Plans Date Complete:		\$80,000			\$80,000					\$80,000
Land/Easements		\$65,000				\$65,000				\$65,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,100,000					\$1,100,000			\$1,100,000
Misc		\$0								\$0
Total		\$1,280,000	\$0	\$0	\$115,000	\$65,000	\$1,100,000	\$0	\$0	\$1,280,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 115,000	\$ 65,000	\$ 1,100,000	\$ -	\$ -	\$ 1,280,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Flow Monitoring - I/I Study required as part of the Preliminary Engineering
Reduce and/or convey excessive I/I in trunk line

Problems: Easements, Manpower, Materials, Weather, Costs, etc

Project identified in 2011 Waste Water Master Plan Update NML-P1-01. Replacement of approximately 6000' of sewer.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project : Nine Mile WWTP Blower Upgrade 6402-60114 Project Manager: JG			Date of Update: 11-Jan-16	
Description: Installation of two (2) new 60-HP positive displacement blowers for the digester tanks and one (1) new 10-HP positive displacement blower for the post-aeration. Also includes new air piping, valves, electrical, VFD's, instrumentation, programing and SCADA integration.			Justificati Petition Capacity	
			BOH <u>Need</u>	
Township Pierce			Master Plan Consent Order	
			XL Other	
Annual Effect on Operations: unknown O&M/year			Coordinates:	
Easements Procured: na			Construction: Bid Opening:	
Special Conditions:			Contract Award:	
			Contract Execution:	
			Notice to Proceed:	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	EES	\$34,800	\$19,800	\$15,000						\$34,800
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$360,000		\$360,000						\$360,000
General Contractor		\$0								\$0
Misc		\$0								\$0
Total		\$394,800	\$19,800	\$375,000	\$0	\$0	\$0	\$0	\$0	\$394,800
Funding Source:	Capital Improvement Fund		\$ 19,800	\$ 355,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 374,800
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant-Duke	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000

Positive Aspects of Project: Replaces ages, inefficient centrifugal blowers.
 Replaces aged, inefficient centrifugal blowers. Estimated annual energy savings is \$30,000 per year.
 This project qualifies for a Duke Energy incentive grant.
 Costs for engineering services provided by operation's budget.

Problems: The WWTP most remain in operation during construction.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	O'Bannon Trunk Sewer Improvements	6402-60133	Project Manager:	KK	Date of Update: 11-Jan-16
Description:	Sewer improvements to approximately 15,600 feet of sanitary sewer.				Justification: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Petition BOH <u>Master Plan</u> XL </div> <div style="text-align: center;"> OBN P1-02 Consent Order </div> <div style="text-align: center;"> <u>Capacity</u> Need Other </div> </div>
Township:					Goshen
Annual Effect on Operations:	\$ 2,500 O&M/year	Resolutions: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> RAGP RADP RON RDTP </div>			Construction: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Bid Opening: Contract Award: Contract Execution: Notice to Proceed: </div>
Easements Procured:	no				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:	Hazen	\$158,850		\$158,850						\$158,850
Detail Plans Date Complete:	BBS (\$39,453)	\$264,460	\$39,460		\$225,000					\$264,460
Land/Easements		\$150,000			\$75,000	\$75,000				\$150,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$2,850,000				\$1,000,000	\$1,850,000			\$2,850,000
Misc		\$50,600	\$600			\$20,000	\$30,000			\$50,600
Total		\$3,473,910	\$40,060	\$158,850	\$300,000	\$1,095,000	\$1,880,000	\$0	\$0	\$3,473,910
Funding Source:		Capital Improvement Fund	\$ 40,060	\$ 158,850	\$ 300,000	\$ 1,095,000	\$ 1,880,000	\$ -	\$ -	\$ 3,473,910
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides additional capacity for existing and future development and for excess wastewater flow during rain events
Flow Monitoring - I/I Study required as part of the Preliminary Engineering. Under contract late 2015 with flow monitoring in early 2016.

Problems: Siting, permitting, easement acquisition

The original equalization facility had OPWC pre/app funding in the amounts of \$1,000,000.00 loan and \$528,800.00 grant.
It is anticipated that this project will apply for and receive future OPWC Grant and Loan funding.

Notes:

fka O'Bannon Flow Equalization Facility

2016 Wastewater Capital Improvement Project Summary

Project : O'Bannon WWTP Bio-Solids Dewatering 6402- Project Manager:			Date of Update: 11-Jan-16	
Description: Installation of a new permanent centrifuge, shelter, and blowers to provide bio-solids dewatering.			Justification: Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other	
Township: Goshen			Coordinates:	
Annual Effect on Operations: \$ 10,000 O&M/year Easements Procured: na			Resolutions: RAGP RADP RON RDTP	
Special Conditions:			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$80,000						\$80,000		\$80,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,100,000						\$1,100,000		\$1,100,000
Misc		\$0								\$0
Total		\$1,180,000	\$0	\$0	\$0	\$0	\$0	\$1,180,000	\$0	\$1,180,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,180,000	\$ -	\$ 1,180,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides a dedicated covered centrifuge at the O'Bannon WWTP and replaces outdated blowers to the digesters.

Problems: Permitting, Funding

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	O'Bannon WWTP Reclaimed Water Pumps and Force Main	651-0042	Project Manager:	KK	Date of Update:	11-Jan-16
Description:	Purchase and installation of 2 new pumps and approximately 1,350 feet of 6" force main to supply non-potable water (250,000 gpd) to O'Bannon Creek Golf Course. One pump will pump sludge to the centrifuge and one will pump treated effluent to the O'Bannon Creek Golf Course.				Justification:	Petition BOH Master Plan XL <div style="display: flex; justify-content: space-between;"> <div>Capacity Need Consent Order Other</div> </div>
Township:	Goshen				Coordinates:	
Annual Effect on Operations:	\$	300	O&M/year	Resolutions:		Construction:
Easements Procured:	no			RAGP RADP RON RDTP		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	In House	\$8,000							\$8,000	\$8,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$100,000							\$100,000	\$100,000
Misc		\$0								\$0
Total		\$108,000	\$0	\$0	\$0	\$0	\$0	\$0	\$108,000	\$108,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,000	\$ 108,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Beneficial re-use of treated effluent from the O'Bannon WWTP for irrigation at the O'Bannon Creek Golf Course. O'Bannon Creek Golf Course to compensate for reclaimed water used.

Problems:

New EPA Regulations for irrigating with treated effluent.

Notes:

2016 Wastewater Capital Improvement Project Summary

Project : O'Bannon WWTP Tertiary Filter Replacement 6402- Project Manager:			Date of Update: 11-Jan-16	
Description: Replacement of two existing low head filters and cooresponding equipment with a single centralized tertiary filter unit and the evaluation of the plant's wet weather flow treatment capacity.			Justificati Petition BOH Master Plan XL	
			<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; text-align: center; line-height: 30px; margin: 0 auto;">Capacity Need</div> Consent Order Other	
Township Goshen			Coordinates:	
Annual Effect on Operations: unknown O&M/year			Resolutions: RAGP RADP RON RDTP	
Easements Procured: N/A				
Special Conditions:			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$60,000		\$60,000						\$60,000
Detail Plans Date Complete:		\$50,000		\$50,000						\$50,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,200,000			\$700,000	\$500,000				\$1,200,000
Misc		\$0								\$0
Total		\$1,310,000	\$0	\$110,000	\$700,000	\$500,000	\$0	\$0	\$0	\$1,310,000
Funding Source:	Capital Improvement Fund		\$ -	\$ 110,000	\$ 700,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 1,310,000
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Combines the two existing filter units into one.
 Improved filter efficiency.
 Reduction in backwash flows.

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Old SR 74 Widening Olive Branch-Stonelick to Armstrong Blvd Improvements	6402-	Project Manager: TC	Date of Update:	11-Jan-16
Description:	Replacement and relocation of approximately 235 feet of sanitary sewer & 194 feet of force main as part of a roadway widening and improvement project along Old SR 74 from Olive Branch-Stonelick Road to Armstrong Blvd.			Justification:	Petition BOH Master Plan XL <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; text-align: center; line-height: 30px; margin: 5px auto;">Capacity Need</div> Consent Order Other
Township:				Union & Batavia	Coordinates:
Annual Effect on Operations:	\$ 100 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	na				
Special Conditions:	Coordinate w/ TID Project				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$105,000			\$105,000					\$105,000
Misc		\$0								\$0
Total		\$105,000	\$0	\$0	\$105,000	\$0	\$0	\$0	\$0	\$105,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ -	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ 105,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Problems:

Notes:
CLE-CR171-4.89; PID No. 82582; Construction in 2016.

2016 Wastewater Capital Improvement Project Summary

Project :	Olive Branch-Stonelick Sewer Extension	6402-	Project Manager:	Date of Update:	11-Jan-16
Description:	Extension of the sanitary sewer near the Olive Branch-Stonelick Interchange to serve unsewered areas and provide for elimination of the East Clough Lift Station			Justification:	Petition BOH Master Plan XL Capacity Need Consent Order <u>Other</u>
Township:				Batavia & Union	Coordinates:
Annual Effect on Operations:	\$ 1,300 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	no				
Special Conditions:	Coordinate w/ TID Project				

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:	HNTB	\$20,000	\$20,000							\$20,000
Detail Plans Date Complete:		\$100,000							\$100,000	\$100,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$1,750,000							\$1,750,000	\$1,750,000
Misc		\$0								\$0
Total		\$1,870,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$1,850,000	\$1,870,000
Funding Source:	Capital Improvement Fund		\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,850,000	\$ 1,870,000
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Provides sanitary sewer service to unsewered / undeveloped property to encourage economic development; Provides gravity sewers to eliminate the East Clough Lift Station. Preliminary Engineering to be coordinated with the TID road improvement. Preliminary Engineering will provide an approximate alignment and sewer sizing.

Problems: Easements, Permitting, Funding

CIP Funds intended for oversizing costs

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Shayler Run - Segment E	651-0125	Project Manager:	Date of Update:	11-Jan-16	
Description:	Replacement of existing trunk sewer, beginning at Stonelick Olive Branch and Shayler Creek and following the east fork of Shayler creek to Amelia Olive Branch			Justificati	Petition BOH <u>Master Plan</u> XL	Capacity Need LEF-P2-19 Consent Order Other
Township				Batavia & Union Township	Coordinates:	
Annual Effect on Operations:	\$ 2,500 O&M/year	Resolutions: RAGP RADP RON RDTP		Construction:	Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:	No Unknown					
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	SWS	\$156,600	\$156,600							\$156,600
Land/Easements		\$105,500	\$5,500						\$100,000	\$105,500
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$990,000							\$990,000	\$990,000
Misc		\$10,000	\$1,860						\$8,140	\$10,000
Total		\$1,262,100	\$163,960	\$0	\$0	\$0	\$0	\$0	\$1,098,140	\$1,262,100
Funding Source:		Capital Improvement Fund	\$ 163,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,098,140	\$ 1,262,100
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
Conveys high wetweather flow

Problems: Easements, Permitting, Funding

Notes:
Potential coordination with TID project

2016 Wastewater Capital Improvement Project Summary									
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Project :	Shayler Run Upstream Sewer Upgrade	6402-60138	Project Manager:	JG	Date of Update:	11-Jan-16
					Justification:	Petition
						Capacity

Description:	Replacement of approximately 4,900 feet of sewer main and the construction of a 3 million gallon storage facility.
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Township	Union

Annual Effect on Operations:	\$ 1,000 O&M/year	Resolutions: RAGP RADP
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Easements Procured:	No	RON RDTP
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Special Conditions:

Date of Update:	11-Jan-16
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Justification	Petition BOH Master Plan XL	LEF-P1-01	Capacity Need Consent Order Other
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Coordinates:

Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
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Expenditure Plan	
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Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$54,625	\$5,700	\$48,925						\$54,625
Detail Plans Date Complete:		\$100,000		\$50,000	\$50,000					\$100,000
Land/Easements		\$50,000			\$50,000					\$50,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$980,000				\$980,000				\$980,000
Misc		\$10,000				\$10,000				\$10,000
Total		\$1,194,625	\$5,700	\$98,925	\$100,000	\$990,000	\$0	\$0	\$0	\$1,194,625

[illegible]

Positive Aspects of Project:

Project identified in the WWMPU (LEF-P1-01)

Problems: Easements, Manpower, Materials, Weather, etc

Preliminary engineering shall include flow monitoring, model updating and recommendations for improvements. Construction estimate does not include costs for storage facility.

Construction estimate does not include costs for storage facility.

Notes:

2016 Wastewater Capital Improvement Project Summary									
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Project :	SR 132 Lift Station Improvements	6402-	Project Manager:	Date of Update:		11-Jan-16
				Justification:	Petition	Capacity

Description:	Evaluation and design of necessary improvements to the lift station.
Township	Stonelick

Special Conditions:

Expenditure Plan	
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[illegible]

Positive Aspects of Project:

Problems:

2016 Wastewater Capital Improvement Project Summary

Project :		SR 132 Sewer Improvements	6402-	Project Manager:	Date of Update: 11-Jan-16	
Description:		Sewer upgrades along SR 132 between SR 125 and Stable Trails. Replacement of approximately 7,060 feet of existing 12" sewer with 24" sewer, between manholes 12901 and 3490.			Justification: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> Petition BOH <u>Master Plan</u> XL </div> <div>MEF-P2-24</div> <div style="text-align: center;"> <u>Capacity</u> Need Consent Order Other </div> </div>	
Township:					Batavia	
Annual Effect on Operations:		\$ 1,200 O&M/year	Resolutions: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> RAGP RADP RON RDTP </div>		Construction: <div style="display: flex; flex-direction: column; gap: 5px;"> Bid Opening: Contract Award: Contract Execution: Notice to Proceed: </div>	
Easements Procured:		no				
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$25,000							\$25,000	\$25,000
Date Complete:										
Detail Plans		\$100,000							\$100,000	\$100,000
Date Complete:										
Land/Easements		\$30,000							\$30,000	\$30,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$600,000							\$600,000	\$600,000
Misc		\$0								\$0
Total		\$755,000	\$0	\$0	\$0	\$0	\$0	\$0	\$755,000	\$755,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 755,000	\$ 755,000
		Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Preliminary Engineering to include flow monitoring to verify / identify capacity restriction, actual peak flows, etc.
 Addresses spans of sewer that were installed at minimum slope and act as capacity restrictions
 Part of project identified in the WWMPU (MEF-P2-24)

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :		Utilities Relocations		6402-60001		Project Manager:		Date of Update:		11-Jan-16	
Description:		ODOT - Utility relocations for ODOT projects and roadway improvements.						Justification:		Petition BOH Master Plan XL Capacity Need Consent Order Other	
Township		Countywide						Coordinates:			
Annual Effect on Operations:		na		O&M/year		Resolutions:		Construction:		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:	
Easements Procured:		na									
Special Conditions:											

Expenditure Plan	
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Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$600,000		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
Misc		\$0								\$0
Total		\$600,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
Funding Source:	Capital Improvement Fund Assessment	\$ -	- \$	100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
	Loan	\$ -	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:	
Problems:	
Notes:	

2016 Wastewater Capital Improvement Project Summary

Project :	Wards Corner Road Sewer Petition	6402-	Project Manager:	CR	Date of Update:	11-Jan-16
Description:	Installation of approximately 1,950 feet of 8" sewer main and appurtenances along Wards Corner Road to benefit 27 parcels.				Justification:	<div style="display: flex; justify-content: space-between;"> <div> <u>Petition</u> BOH Master Plan XL </div> <div> Capacity Need Consent Order Other </div> </div>
Township	Miami				Coordinates:	
Annual Effect on Operations:	\$	250	O&M/year	Resolutions:		Construction:
Easements Procured:	No			RAGP RADP RON RDTP		Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Special Conditions:						

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$0								\$0
Date Complete:										
Detail Plans		\$40,000							\$40,000	\$40,000
Date Complete:										
Land/Easements		\$20,000							\$20,000	\$20,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$350,000							\$350,000	\$350,000
Misc		\$20,000							\$20,000	\$20,000
Total		\$430,000	\$0	\$0	\$0	\$0	\$0	\$0	\$430,000	\$430,000
Funding Source:		Capital Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ (360,000)	\$ -	\$ 430,000	\$ (360,000)
	Assessment		\$ -	\$ -	\$ -	\$ -	\$ 360,000	\$ -	\$ -	\$ 360,000
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Eliminates HSTS's and addresses a petition

Problems: Easements, Manpower, Materials, Weather, Costs, etc

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Wastewater Model Maintenance	6402-	Project Manager:	Date of Update:	11-Jan-16
Description:	Annual contract to provide maintenance on the CCWRD Infoworks sewer model.			Justificati	Petition BOH Master Plan XL
Township				Countywide	Coordinates:
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	na				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$100,000		\$50,000	\$25,000	\$25,000				\$100,000
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$0								\$0
Misc		\$0								\$0
Total		\$100,000	\$0	\$50,000	\$25,000	\$25,000	\$0	\$0	\$0	\$100,000
Funding Source:	Capital Improvement Fund	\$ -	\$ -	\$ 50,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 100,000
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:
 Provides for updating of the various modeled areas of the wastewater system

Problems:

Notes:

2016 Wastewater Capital Improvement Project Summary

Project :	Wastewater Stream Revetment	6402-60049	Project Manager:		Date of Update: 11-Jan-16
Description:	Improvements to existing infrastructure to protect against damage from creeks and/or storm water.				Justificati Petition BOH Master Plan XL Capacity <u>Need</u> Consent Order Other
Township					
Annual Effect on Operations:	\$ - O&M/year	Resolutions: RAGP RADP RON RDTP			Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	No				
Special Conditions:					

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:	Stantec	\$36,032	\$36,032							\$36,032
Land/Easements		\$0								\$0
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$489,432	\$239,432	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$489,432
Misc		\$0								\$0
Total		\$525,464	\$275,464	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$525,464
Funding Source:	Capital Improvement Fund	\$ 275,464	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 525,464
	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Protection of sanitary infrastructure from stormwater & stream erosion.

Problems: Easements, Manpower, Materials, Weather, etc

Locations:

MH 5283-5291, pipe segment #1942.

Notes:

2016 Wastewater Capital Improvement Project Summary
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Project :	Wastewater Treatment Plant Rehabilitation	6402-	Project Manager:	Date of Update:		11-Jan-16
				Justification	Petition	Capacity

Description: This work will include rehabilitation of existing portions of the treatment plants that have reached the end of their useful life.	BOH Master Plan XL	Need Consent Order Other
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Township	Countywide	Coordinates:
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Annual Effect on Operations:	na	O&M/year	Resolutions: RAGP RADP RON RDTP	Construction: Bid Opening: Contract Award: Contract Execution: Notice to Proceed:
Easements Procured:	na			

Easements Procured:	na	RADP RON RDTP	Contract Award: Contract Execution: Notice to Proceed:
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Special Conditions: _____

Expenditure Plan	
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Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering Date Complete:		\$0								\$0
Detail Plans Date Complete:		\$0								\$0
Land/Easements		\$0								\$0
Construction Engineering and Inspection General Contractor		\$2,000,000			\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
Misc		\$0								\$0
Total		\$2,000,000	\$0	\$0	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000

	Capital Improvement Fund	\$ -	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,000,000
Funding Source:	Assessment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:								
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Problems:

2016 Wastewater Capital Improvement Project Summary

Project :	Wolfpen-Pleasant Hill Road Sewer Upgrades	6402-	Project Manager:	Date of Update:	11-Jan-16	
Description:	Replacement of approximately 4,430 feet of sewer main, addition of 3.5 million gallons of storage and upgrading the Highview lift station to 7 million gallons per day.			Justificati	Petition BOH <u>Master Plan</u> XL	Capacity <u>Need</u> Consent Order Other
Township				Miami	Coordinates:	LEF-P1-04
Annual Effect on Operations:	\$	2,000	O&M/year	Resolutions: RAGP RADP RON RDTP		
Easements Procured:	No					
Special Conditions:						
Construction:				Bid Opening: Contract Award: Contract Execution: Notice to Proceed:		

Expenditure Plan

Task	Vendor	Planned	Prior Yr CTD	2016	2017	2018	2019	2020	2021-Beyond	Total
Preliminary Engineering		\$50,000			\$50,000					\$50,000
Date Complete:										
Detail Plans		\$75,000			\$50,000	\$25,000				\$75,000
Date Complete:										
Land/Easements		\$40,000				\$40,000				\$40,000
Construction Engineering and Inspection		\$0								\$0
General Contractor		\$886,000					\$886,000			\$886,000
Misc		\$0								\$0
Total		\$1,051,000	\$0	\$0	\$100,000	\$65,000	\$886,000	\$0	\$0	\$1,051,000
Capital Improvement Fund			\$ -	\$ -	\$ 100,000	\$ 65,000	\$ 886,000	\$ -	\$ -	\$ 1,051,000
Funding Source:	Assessment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Loan		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Positive Aspects of Project:

Project identified in the WWMPU (LEF-P1-04)

Problems: Easements, Manpower, Materials, Weather, etc

Notes:

Preliminary engineering shall include flow monitoring, model updating and recommendations for improvements.
 Construction estimate does not include costs for storage facility and the lift station upgrade.